AMENDMENT TO THE CLAIMS

Claims 1-23 (Canceled)

24. (Currently amended) A process for producing human lactoferrin which comprises culturing a transformant eucaryotic cell containing a recombinant plasmid, said plasmid comprising a plasmic vector having a polydeoxyribonucleotide which codes for a human lactoferrin protein in a suitable nutrient medium until the human lactoferrin protein is formed and isolating the human lactoferrin protein.

Claims 25-64 (Canceled)

65. (New) The process of claim 24, wherein the eucaryotic cell is a mammalian cell.

66. (New) The process of claim 65, wherein the mammalian cell is immortalized.

67. (New) The process of claim 24, wherein the eucaryotic cell is a fungal cell.

68. (New) The process of claim 24, wherein the eucaryotic cell is a yeast cell.

69. (New) The process of claim 24, wherein the eucaryotic cell is an insect cell.

70. (New) The process of claim 69, wherein the insect cell is a SF9.

71. (New) The process of claim 67, wherein the fungal cell is selected from the group consisting of Aspergillus, Saccharomyces, Kluyveromyces and Pichia.

72. (New) The process of claim 71, wherein the fungal cell is Aspergillus.

73. (New) The process of claim 72, wherein the Aspergillus cell is selected from the group consisting of *Aspergillus oryzae, Aspergillus niger, Aspergillus nidulans* and *Aspergillus awamori.*

74. (New) The process of claim 72, wherein the Aspergillus cell is *Aspergillus oryzae.*

75. (New) The process of claim 72, wherein the Aspergillus cell is *Aspergillus niger*.

76. (New) The process of claim 72, wherein the Aspergillus cell is *Aspergillus nidulans*.

77. (New) The process of claim 72, wherein the Aspergillus cell is *Aspergillus awamori*.